

Max's Market Day Measurement Challenge

Learning objective: To convert between different units of measure (e.g., kilometres to metres; hours to minutes) and solve money problems involving decimals.

Help Max the monkey organise his fruit stall! Read the passage carefully and use your maths skills to solve the problems below. Remember to show your working out.

Max is setting up his fruit stall at the forest market. He has gathered 3,500 metres of climbing vines to decorate his display. He also has a giant bunch of bananas that weighs 2.5 kilograms. To get to the market, Max travels 4 kilometres from his treehouse. He sells his finest apples for £1.25 each and his juicy oranges for £0.80 each. Max needs to make sure he has enough change for his customers and that his decorations fit the market square perfectly.

Word bank: convert · millimetres · centimetres · metres · kilometres · decimal · total

1. Max needs to decorate a fence that is 5 kilometres long. If he already has 3,500 metres of vine, how many more metres does he need to cover the whole fence? (2 marks)

2. A customer buys two apples and one orange. How much change would they get from a £5 note? (2 marks)

3. If Max's journey to the market takes 1 hour and 15 minutes, how many minutes is his total travel time? (1 mark)

4. Max wants to pack his bananas into smaller bags. If each bag needs to hold 500 grams, how many bags can he fill with his 2.5 kilogram bunch? (2 marks)

5. Explain how you converted 4 kilometres into metres. Why is it important to use the same units when adding measurements? (2 marks)

Draw: Draw a map showing the 4-kilometre path from Max's treehouse to the market, including a label for the halfway point in metres.



Extension challenge: Max decides to offer a 'Fruit Bundle' deal. If a bundle contains 3 apples and 2 oranges, what is the total cost? If he sells 10 bundles, how much money will he have made in total?